Figure 1

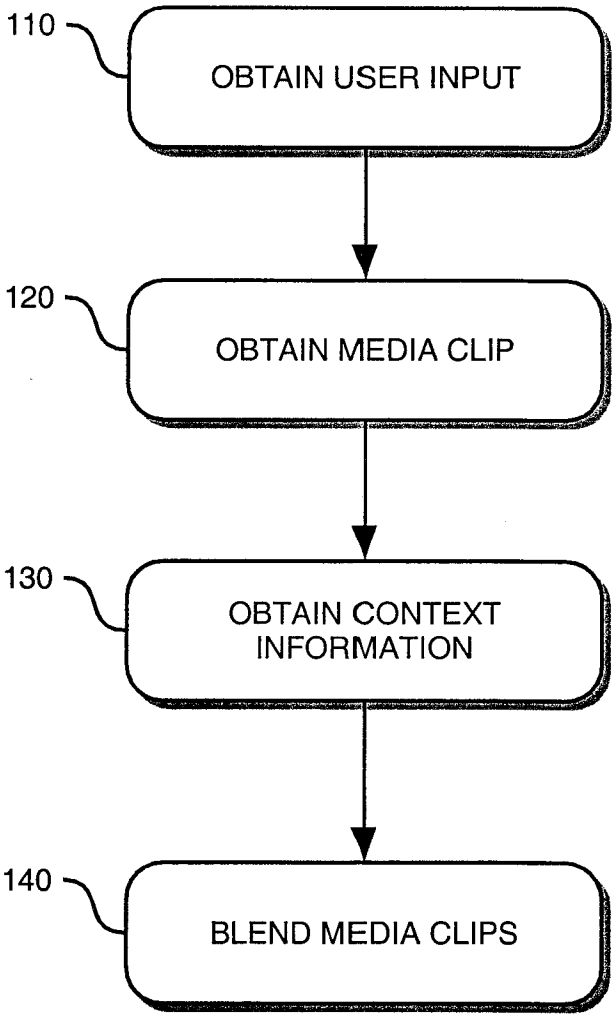

110
OBTAIN USER INPUT
120
OBTAIN MEDIA CLIP
130
OBTAIN CONTEXT INFORMATION
140
BLEND MEDIA CLIPS

Figure 2

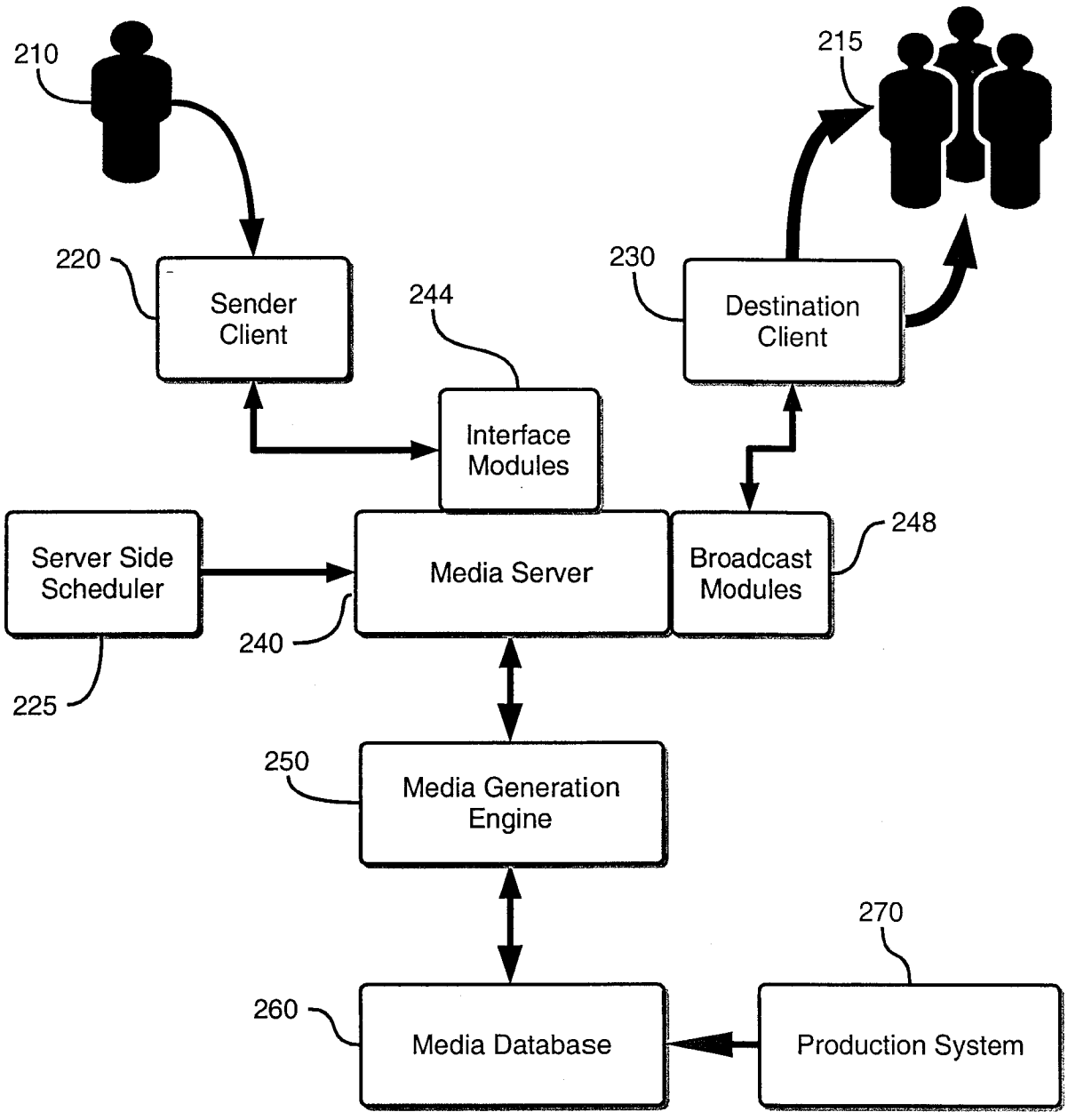

210
215
220
Sender Client
244
230
Destination Client
Interface Modules
Server Side Scheduler
Media Server
Broadcast Modules
248
240
225
250
Media Generation Engine
270
260
Media Database
Production System

Figure 3

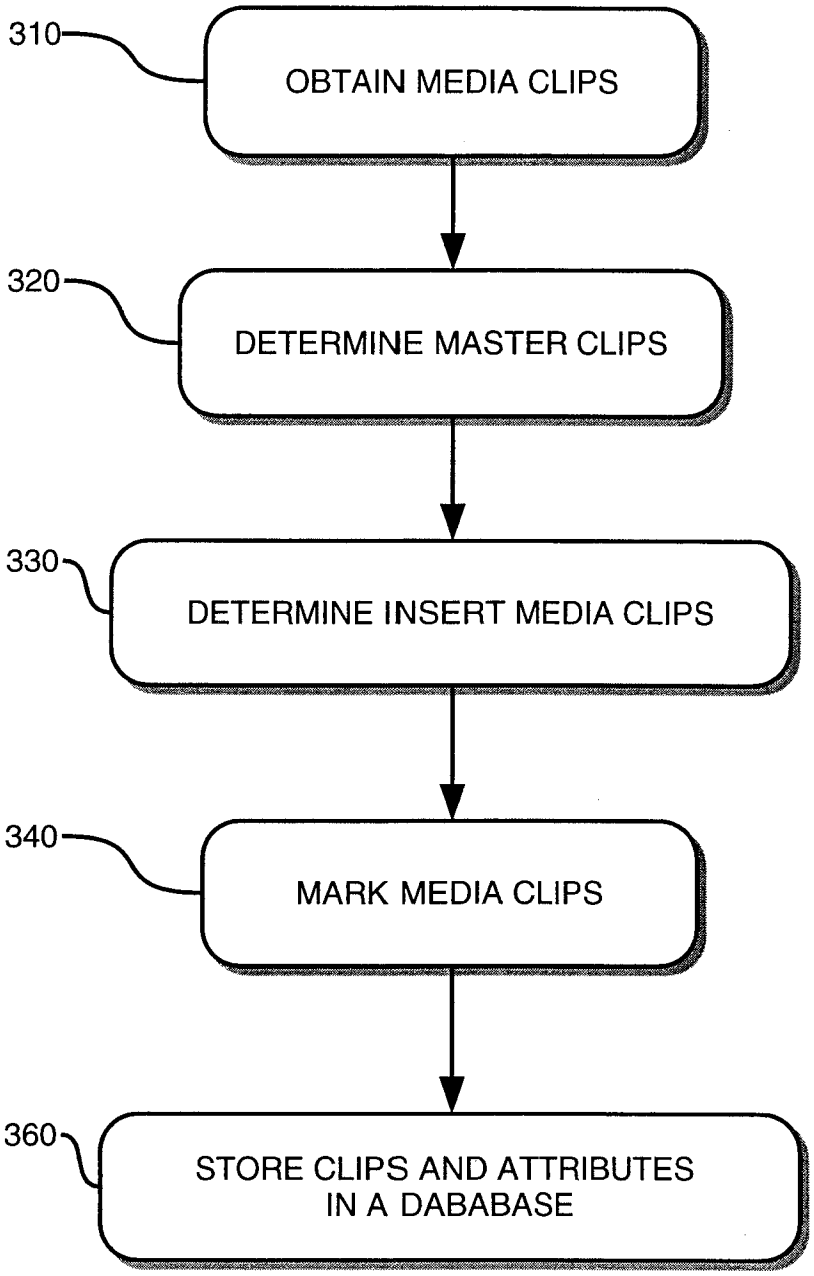

310
OBTAIN MEDIA CLIPS
320
DETERMINE MASTER CLIPS
330
DETERMINE INSERT MEDIA CLIPS
340
MARK MEDIA CLIPS
360
STORE CLIPS AND ATTRIBUTES
IN A DABABASE

Figure 4

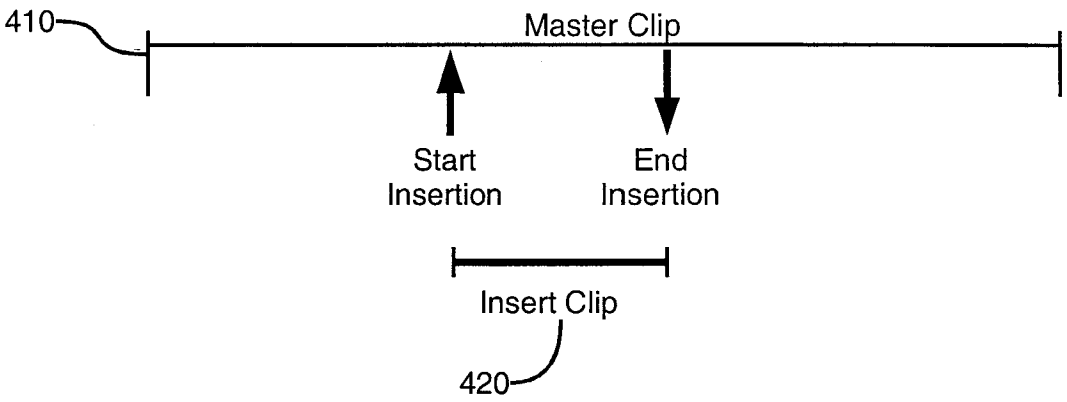

410
Master Clip
Start
Insertion
End
Insertion
Insert Clip
420

Figure 5

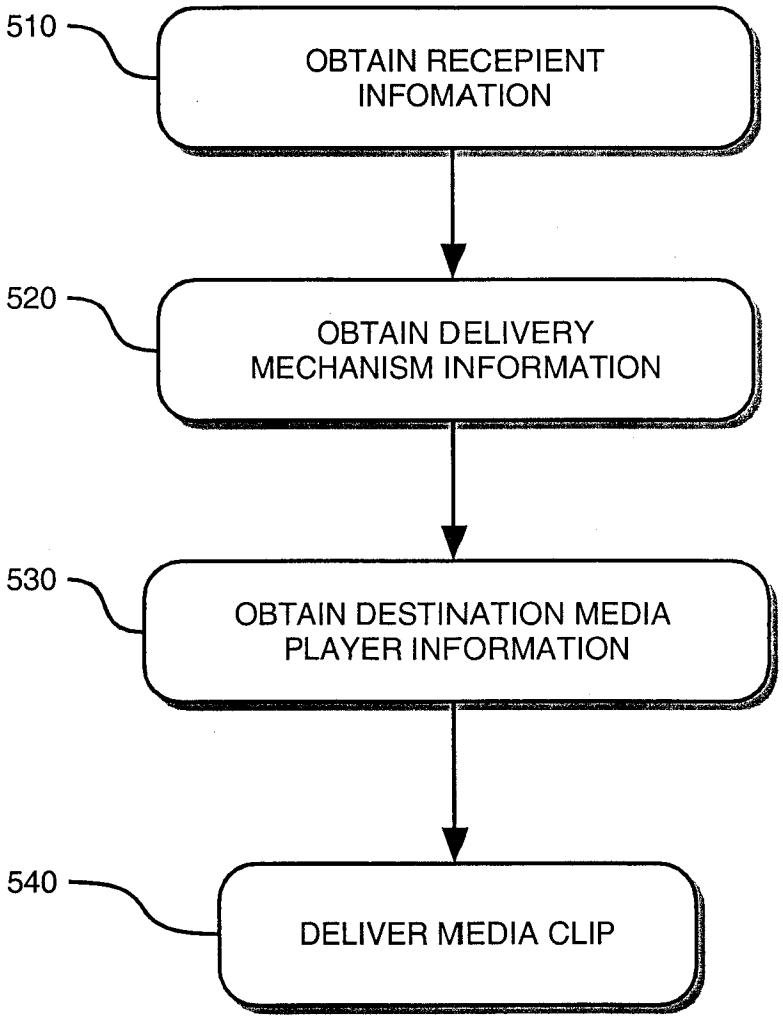

510
OBTAIN RECEPIENT INFOMATION
520
OBTAIN DELIVERY MECHANISM INFORMATION
530
OBTAIN DESTINATION MEDIA PLAYER INFORMATION
540
DELIVER MEDIA CLIP

Figure 6

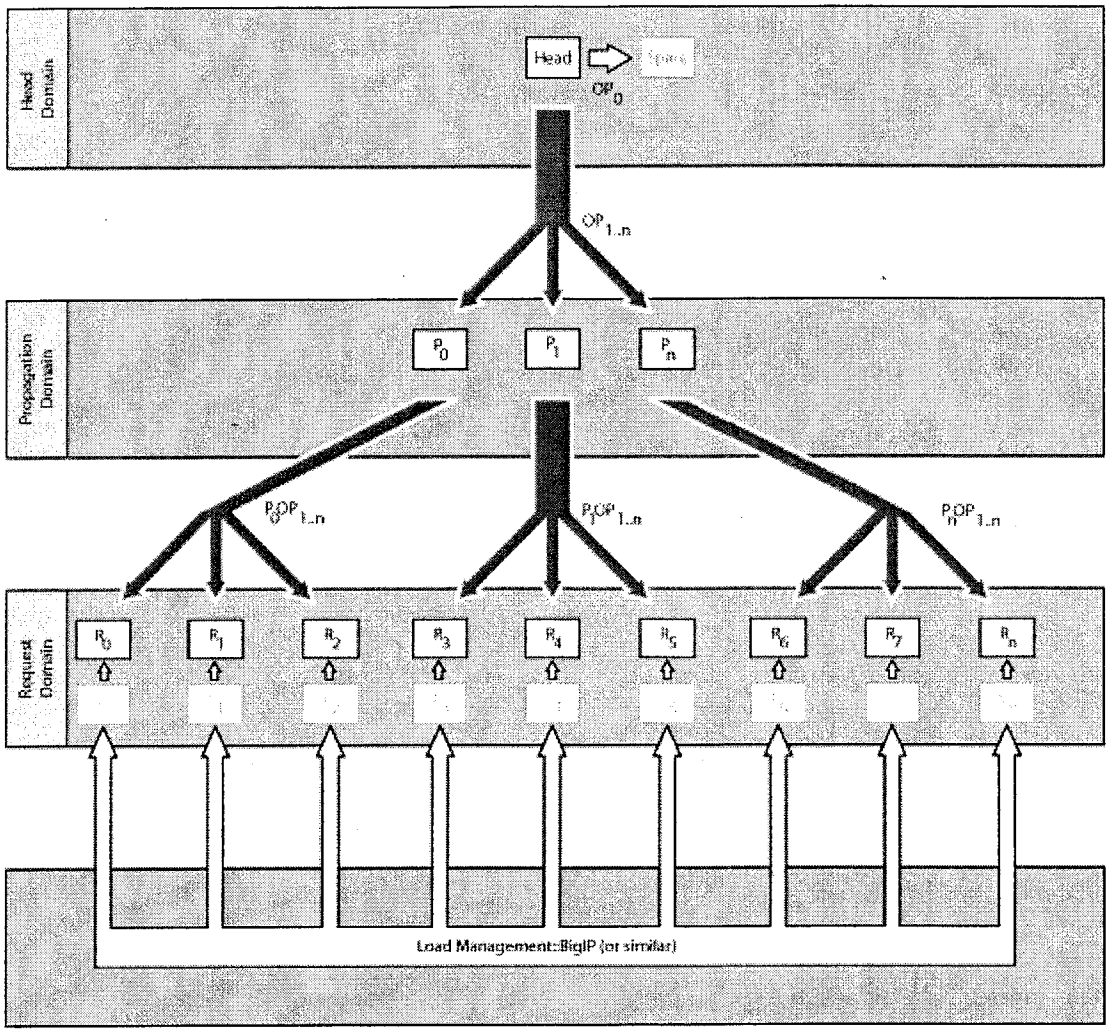

Head Domain
Head
OP0
OP1..n
Propagation Domain
P0
P1
Pn
P0OP1..n
P1OP1..n
PnOP1..n
Request Domain
R0
R1
R2
R3
R4
R5
R6
R7
Rn
Load Management::BigIP (or similar)

Figure 7

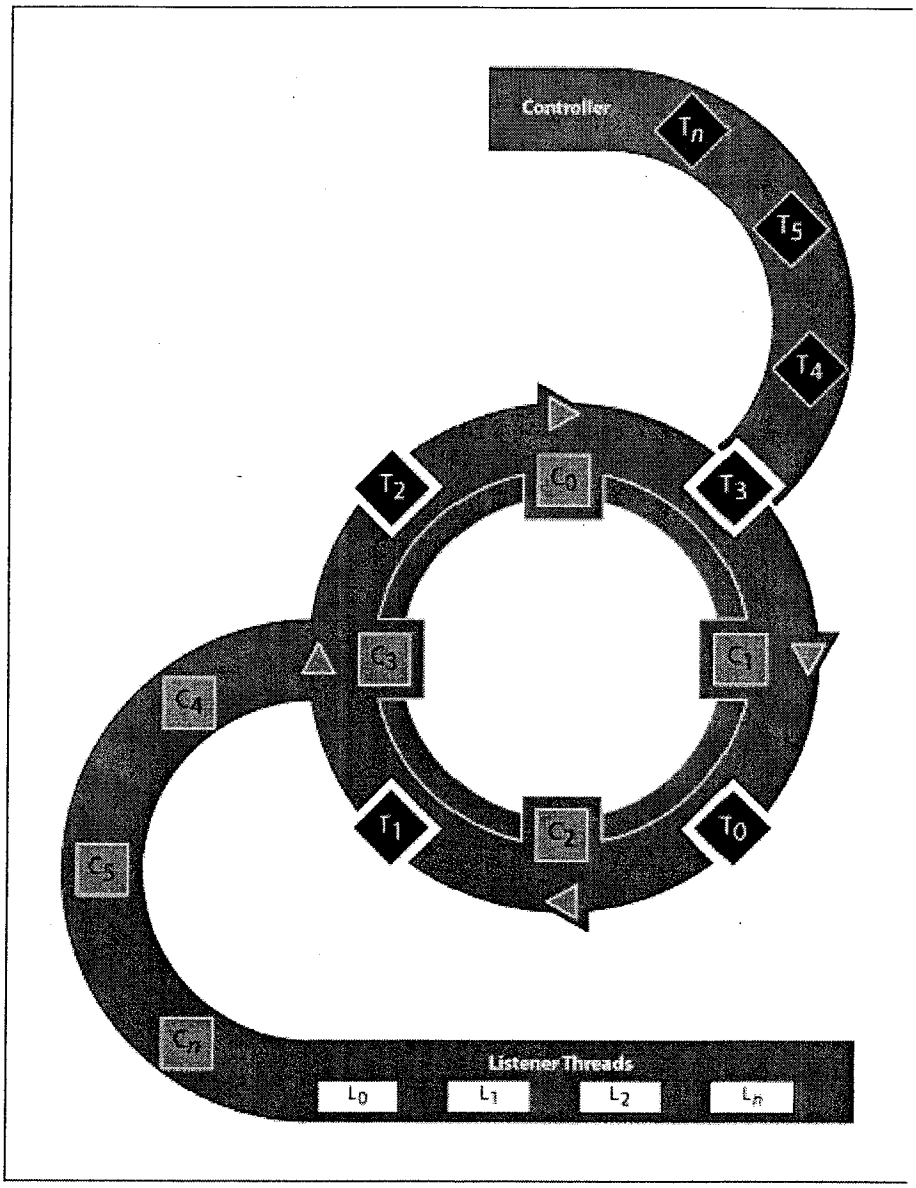

Controller
Tn
T5
T4
T3
T2
C0
C3
C1
C4
C2
T1
T0
C5
Cn
Listener Threads
L0
L1
L2
Ln

Figure 8

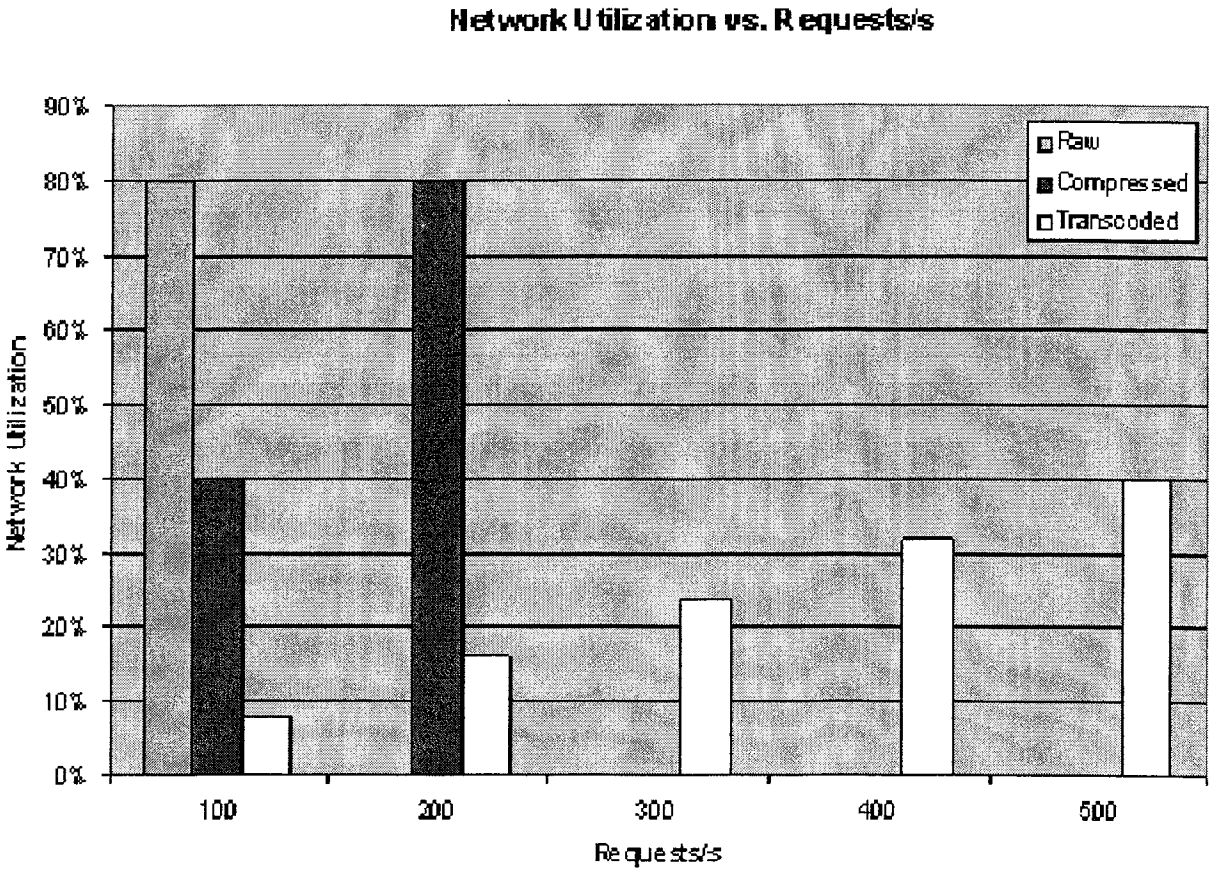
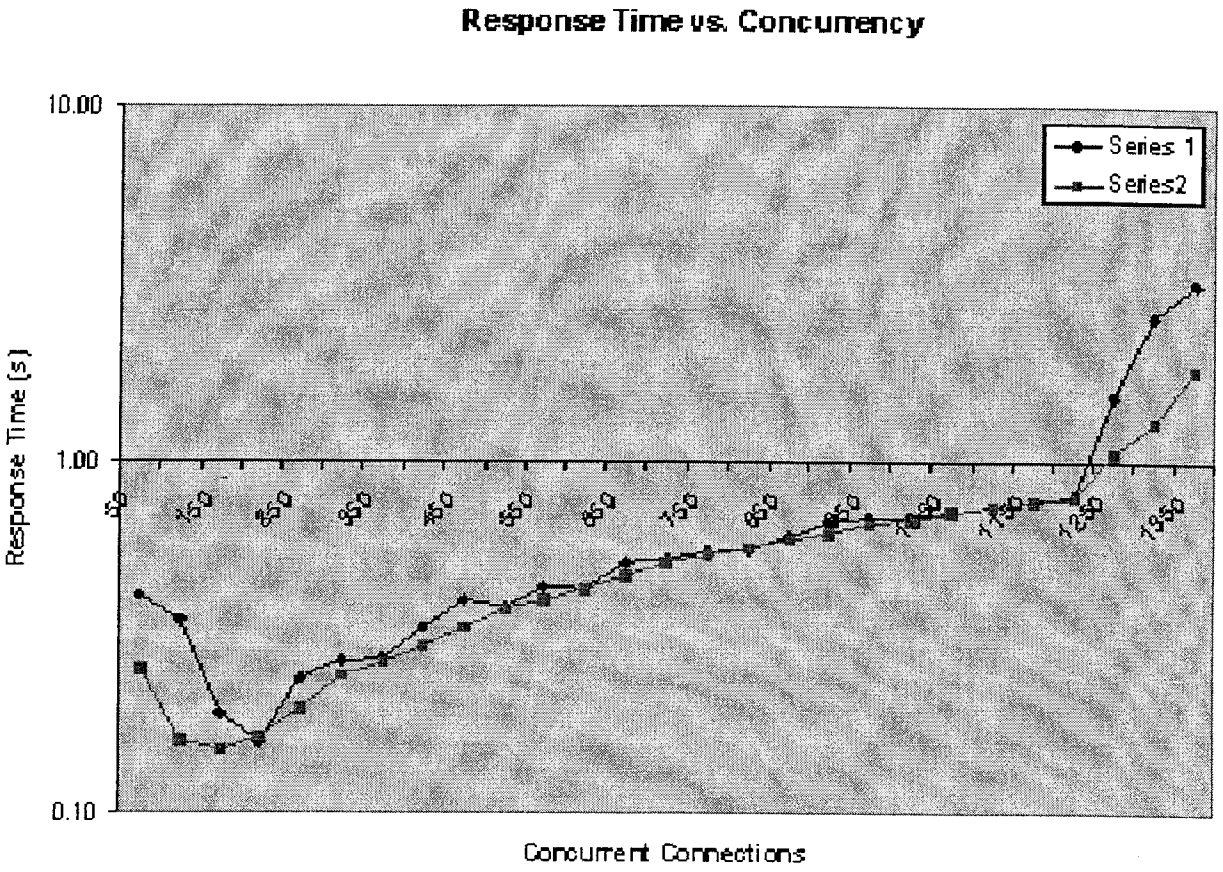

Network Utilization vs. Requests/s
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
Network Utilization
100
200
300
400
500
Requests/s
Raw
Compressed
Transcoded

Figure 9


Response Time vs. Concurrency
10.00
1.00
0.10
Response Time (s)
Concurrent Connections
Series 1
Series2

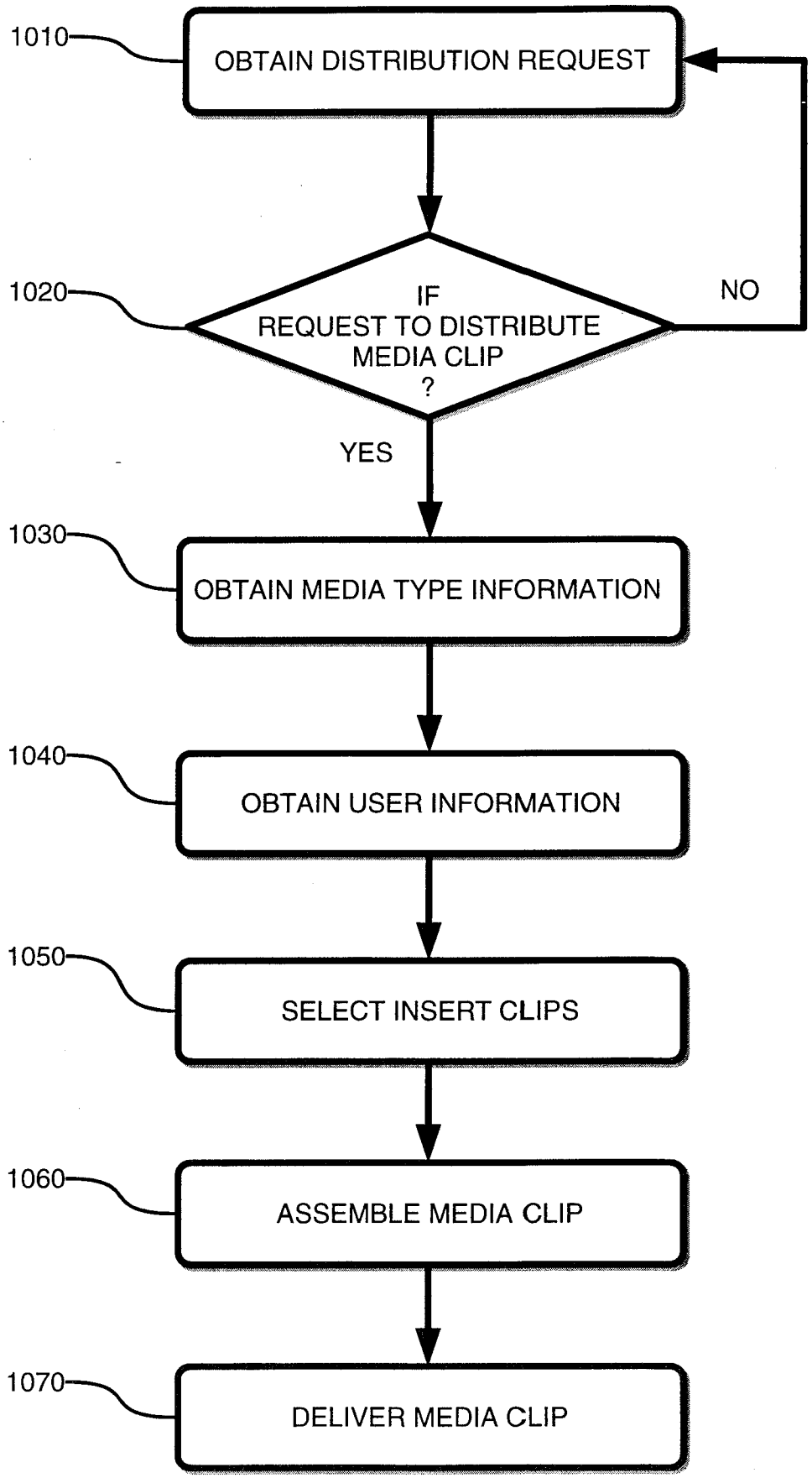

1010
OBTAIN DISTRIBUTION REQUEST
1020
IF
REQUEST TO DISTRIBUTE
MEDIA CLIP
?
NO
YES
1030
OBTAIN MEDIA TYPE INFORMATION
1040
OBTAIN USER INFORMATION
1050
SELECT INSERT CLIPS
1060
ASSEMBLE MEDIA CLIP
1070
DELIVER MEDIA CLIP

Figure 10